

Saponins

Cat. No.:	HY-100597		
CAS No.:	8047-15-2		
Target:	Fungal; Bacterial		
Pathway:	Anti-infection		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month

Saponins

SOLVENT & SOLUBILITY

In Vitro	H ₂ O : 33.33 mg/mL (Need ultrasonic)
In Vivo	1. Add each solvent one by one: PBS Solubility: 6.25 mg/mL (Infinity mM); Clear solution; Need ultrasonic and warming and heat to 60°C

BIOLOGICAL ACTIVITY

Description	Saponins (Saponin) is a class of chemical compound of glycosides found in particular abundance in various plant species. In plants, Saponins may serve as anti-feedants, and to protect the plant against microbes and fungi ^[1] .
In Vitro	Saponins are glycosides with a distinctive foaming characteristic. Saponins consist of a polycyclic aglycone that is either a choline steroid or triterpenoid attached via C3 and an ether bond to a sugar side chain. The ability of a saponin to foam is caused by the combination of the nonpolar sapogenin and the water soluble side chain. Saponins are bitter and reduce the palatability of livestock feeds. Some saponins reduce the feed intake and growth rate of nonruminant animals while others are not very harmful. For example, the saponins found in oats and spinach increase and accelerate the body's ability to absorb calcium and silicon, thus assisting in digestion. Certain pasture weeds contain substantial quantities of dangerous saponins and result in life threatening toxicities for certain animal species ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

CUSTOMER VALIDATION

- Cell Death Dis. 2021 Nov 29;12(12):1115.

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REFERENCES

Caution: Product has not been fully validated for medical applications. For research use only.

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